

Beamline Hazard Analysis - Beamline X10C

LS-BHA-X10C

Revision: 02

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The following tasks are included in the beamline safety review. Any operations not listed here, or performed by others than those listed, need additional review by ES&H personnel and/or beamline personnel.

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| Tasks / Equipment | Performed by: | | Controls |
|--|----------------|-------|---|
| | Beamline Staff | Users | |
| Inert compressed gas | Y | N | <ul style="list-style-type: none"> Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Wear safety glasses with side shields while connecting lines Leak check gas lines |
| Toxic compressed gases | Y | Y | <ul style="list-style-type: none"> Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Use small quantities or a ventilated gas cabinet Wear safety glasses with side shields while connecting lines Leak check gas lines |
| Flammable compressed gases | Y | Y | <ul style="list-style-type: none"> Compressed gas training – TQ-COMPGAS1 or NSLS User training Transport cylinders using a cylinder cart Properly secure cylinders Use small quantities or a ventilated gas cabinet Use a flash arrestor Wear safety glasses with side shields while connecting lines Leak check gas lines |
| Solvents | Y | Y | <ul style="list-style-type: none"> Limit quantities at beamline to < 250 ml Use PPE - safety glasses, nitrile gloves |
| Ergonomics concerns – moving/lifting | Y | N | <ul style="list-style-type: none"> Be aware of body posture, Ask for help in moving or lifting |
| Ergonomics concerns – awkward postures | Y | N | <ul style="list-style-type: none"> Be aware of body posture Take frequent breaks |
| Cutting/razor blades | Y | Y | <ul style="list-style-type: none"> Be aware of hand positioning Use safety knife when possible Consider using cut resistant gloves for frequent cutting tasks |